Mitosis and Meiosis

Across
3. Number of chromosomes in every cell in the human body
6. _____ over is when chromosomes move close together and exchange genetic information
7. Disease in which uncontrolled cell division creates a tumor
8. Mitosis phase where two new nuclei are formed
11. Cell cycle phase where chromosomes (DNA) are duplicated
12. Mitosis results in ____ new daughter cells
13. Meiosis has ____ divisions
14. Phase of the cell cycle where the cytoplasm separates and two new cells are formed
15. Two chromosomes that contain the same genetic information with different variations are a ____ pair
17. Mitosis phase where duplicated chromosomes line up in the middle
20. Cancerous tumors
21. Daughter cells that have the same number of chromosomes as the mother cell

Down
1. Cell division for reproduction
2. Meiosis results in ____ new daughter cells
4. Sperm and egg cells
5. Non-cancerous tumors
6. Chemical or toxin in the environment that can damage DNA in cells and cause cancer
8. Number of chromosomes in a sperm cell
9. Cell division for cell growth and repair
10. Mitosis phase where the nuclear membrane begins to disappear
16. Mitosis has ____ division
18. Mitosis phase where chromosome strands separate and move to opposite end of the cell
19. Daughter cells that have half the number of chromosomes as the mother cell